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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,573	07/26/2002	Kevin A. Heene	PU2107	3238

23454            7590            05/01/2003  
CALLAWAY GOLF COMPANY  
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EXAMINER	
CRENSHAW, MARVIN P	
ART UNIT	PAPER NUMBER

2854

DATE MAILED: 05/01/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/064,573	HEENE ET AL.
	Examiner Marvin P. Crenshaw	Art Unit 2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 26 July 2002.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-3 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 26 July 2002 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                  | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____  |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)         | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### ***Claim Objections***

Claims 1-3 are objected to because of the following informalities: In the claims, there is a double introduction in describing the "insert". Appropriate correction is required.

Claims 1-3 recite the limitation "the external surface" in line 6 of all the claims. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu in view of Drew, II et al., and Keller et al.

Hsu teaches a method for manufacturing a golf club head (Fig. 6) having an insert (303) with an indicia (20) thereon, the method comprising the golf club head having a front face (301) with a recess and an insert therein. However, Hsu doesn't teach a base for holding an object to be printed on by pad-printing. Drew, II et al. teaches a base (20) for holding an object to be printed on by pad-printing. It would have been obvious to modify the method of Hsu to have a base for holding the golf club head to be printed on as taught by Drew, II et al. to hold the object securely while the image is being placed

on the object. Hsu and Drew et al. teach everything that is claimed except pad-printing an UV-curable ink directly on the external surface and curing the indicia through exposure to artificial UV light for a predetermined time period. Keller et al. teaches pad-printing UV-curable ink directly on the external surface and curing the indicia through exposure to artificial UV light for a predetermined time period. It would have been obvious to modify Hsu as modified by Drew, II et al. to have a pad-printing an UV-curable ink directly on the external surface and curing the indicia through exposure to artificial UV light for a predetermined time period as taught by Keller because it's an excellent process for printing an ink on an object.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu in view of Drew II, et al., and Motev et al.

Hsu teaches a method for manufacturing a golf club head (Fig. 6) having an insert (303) with an indicia (20) thereon, the method comprising the golf club head having a front face (301) with a recess and an insert therein. However, Hsu doesn't teach a base for holding an object to be printed on by pad-printing. Drew, II et al. teaches a base (20) for holding an object to be printed on by pad-printing. It would have been obvious to modify the method of Hsu to have a base for holding the golf club head to be printed on as taught by Drew, II et al. to hold the object securely while the image is being placed on the object. Hsu and Drew II, et al. teach everything that is claimed except printing with heat curable ink directly on the external surface of an object and curing the indicia through heating in a convection oven for a predetermined time period.

Motev et al. teaches printing with heat curable ink (see claim 9) directly on the external surface of an object and curing the indicia through heating (26, the blower provides a convection means) in a convection oven for a predetermined time period. It would have been obvious to modify Hsu as modified by Drew, II et al. to print a heat curable ink and curing the ink in a convection oven as taught by Motev et al. to provide an advantageous way to print and evenly dry the indicia on the object.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hsu in view of Drew II, et al., and Sullivan et al.

Hsu teaches a method for manufacturing a golf club head (Fig. 6) having an insert (303) with an indicia (20) thereon, the method comprising the golf club head having a front face (301) with a recess and an insert therein. However, Hsu doesn't teach a base for holding an object to be printed on by pad-printing. Drew, II et al. teaches a base (20) for holding an object to be printed on by pad-printing. It would have been obvious to modify the method of Hsu to have a base for holding the golf club head to be printed on as taught by Drew, II et al. to hold the object securely while the image is being placed on the object. Hsu and Drew et al. teach everything that is claimed except hot stamping the indicia directly on the external surface and cooling the golf club head for a predetermined time period. Sullivan et al. teaches stamping (See Col. 5 lines 5-20) the indicia directly on the external surface and cooling (See claim 13) the golf club head for a predetermined time period. It would have been obvious to modify Hsu and Drew, II et al. to hot stamp the indicia directly on the external surface and cooling the

golf club head for a predetermined time period as taught by Sullivan et al. to provide an advantageous way to print and evenly dry the indicia on the object.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marvin P. Crenshaw whose telephone number is (703) 308-0797. The examiner can normally be reached on Monday - Friday 7:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on (703) 305-6619. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

  
MPC

April 17, 2003

  
Dan Colilla  
Primary Examiner  
Art Unit 2854